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PREMIUMS

OFFERED BY THE

SOCIETY

INSTITUTED AT LONDON,

FOR THE ENCOURAGEMENT OF

ARTS, MANUFACTURES,

AND

COMMERCE,

IN

THE YEAR M.DCC.XCIX.

TO THE

PUBLIC.

ADELPHI-BUILDINGS,
April 10, 1799.

THE chief objects of the attention of the Society for the encouragement of Arts, Manufactures, and Commerce, in the application of their Rewards, are, ingenuity in the ſeveral branches of the POLITE and LIBERAL ARTS, uſeful Diſcoveries and Improvements in AGRICULTURE, MANUFACTURES, MECHANICKS, and CHEMISTRY, or the laying open any ſuch to the Public; and, in general, all ſuch uſeful Inventions, Diſcoveries, or Improvements (though not mentioned in the Book of Premiums), as may appear to have a tendency to the advantage of Trade and Commerce. The Society therefore, in purſuance of their plan, propoſe to beſtow the following Premiums.

Premiums for Planting and Huſbandry.

Claſs 1. ACORNS. For having ſet, between the firſt of October, 1798, and the firſt of April, 1799, the greateſt quantity of land, not leſs than ten acres, with Acorns, with or without ſeeds, cuttings, or plants of other trees, at the option of the Candidate; and for effectually fencing and preſerving the ſame, in order to raiſe timber; the GOLD MEDAL.

2. For the ſecond greateſt quantity of land, not leſs than five acres, ſet agreeably to the above conditions, the SILVER MEDAL.

CERTIFICATES of ſetting agreeably to the above conditions, and that there are not fewer than three hundred young Oaks on each acre, to be delivered to the Society on or before the firſt Tueſday in November, 1799.

3, 4. The ſame premiums are extended one year further.

CERTI-

CERTIFICATES to be produced on or before the firſt Tueſday in November, 1800.

5, 6. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in November, 1801.

7, 8. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in November, 1802.

9. RAISING OAKS. To the perſon who ſhall have raiſed, ſince the year 1795, the greateſt number of Oaks, not fewer than five thouſand, either from young plants or acorns, in order to ſecure a ſucceſſion of oak timber in this kingdom; the GOLD MEDAL.

10. For the next greateſt number, not fewer than three thouſand, the SILVER MEDAL.

CERTIFICATES that there were on the land, at leaſt the number of young Oak-trees required, in a thriving condition, two years after the planting, with an account of the methods purſued in making and managing the plantation, to be produced to the Society on or before the firſt Tueſday in January, 1800.

11, 12. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in January, 1801.

13, 14. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in January, 1802.

15. ASCERTAINING THE BEST METHOD OF RAISING OAKS. To the perſon who ſhall aſcertain in the beſt manner, by actual experiments, the comparative merits of the different modes of raiſing Oaks for timber, either from acorns ſet on

on land properly grubbed and tilled; from acorns ſown at random among buſhes, fern, or other cover; or from young plants, previouſly raiſed in nurſeries, and tranſplanted; regard being had to the expence, growth, and other reſpective advantages of the ſeveral methods; the GOLD MEDAL.

The ACCOUNTS, and proper CERTIFICATES that not leſs than one acre has been cultivated in each mode, to be produced to the Society on or before the firſt Tueſday in November, 1799.

16. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be produced on or before the firſt Tueſday in November, 1800.

17. OAK TIMBER IN COMPASS FORMS. To the perſon who ſhall aſcertain, by actual experiments, the beſt method of training young Oaks, ſo as to form Compaſs Timber for Ship-building, the GOLD MEDAL, or FIFTY GUINEAS.

CERTIFICATES of the number of Oak-plants, not fewer than one hundred, that have been trained; and that they promiſe, in the opinion of perſons experienced in ſhip-building, to anſwer the purpoſe intended; to be delivered to the Society on or before the laſt Tueſday in December, 1805.

It is required that with the Certificates there be ſent particular accounts of the age of the trees, when they were begun to be trained, and the methods purſued in training them.

Should any perſon have already engaged in training Oaks for the above purpoſe, any information on the ſubject will be thankfully received by the Society.

18. CHESNUTS. For having ſown or ſet, between the firſt of October, 1798, and the firſt of April, 1799, the greateſt quantity of dry loamy land, not leſs than ſix acres, with Spaniſh Cheſnuts, with or without ſeeds, cuttings, or plants of other trees

trees adapted to ſuch ſoil, at the option of the Candidate; and for effectually fencing and preſerving the ſame, in order to raiſe timber; the GOLD MEDAL.

19. For the ſecond greateſt quantity, not leſs than four acres, the SILVER MEDAL.

CERTIFICATES of ſowing or ſetting agreeably to the above conditions, and that there are not fewer than three hundred Cheſnut plants, in a thriving ſtate, on each acre, to be delivered to the Society on or before the firſt Tueſday in November, 1799.

20, 21. The ſame premiums are extended one year further.

CERTIFICATES to be delivered on or before the firſt Tueſday in November, 1800.

22, 23. The ſame premiums are extended one year further.

CER-

CERTIFICATES to be delivered on or before the firſt Tueſday in November, 1801.

24, 25. The ſame premiums are extended one year further.

CERTIFICATES to be delivered on or before the firſt Tueſday in November, 1802.

26. ELM. For having planted the greateſt number of the Engliſh Elm, not leſs than eight thouſand, between the twenty-fourth of June, 1797, and the twenty-fourth of June, 1798; and for the having effectually fenced and preſerved the ſame, in order to raiſe timber; the GOLD MEDAL.

27. For the ſecond greateſt number, not leſs than five thouſand, the SILVER MEDAL.

CERTIFICATES of the having planted agreeably to the above conditions, that the plants were in a healthy and thriving ſtate

two

two years at leaſt after making the plantation, and ſpecifying the diſtance of the plants, to be delivered to the Society on or before the firſt Tueſday in April, 1800.

28, 29. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in April, 1801.

30, 31. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in April, 1802.

32, 33. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in April, 1803.

34. LARCH. For having planted out between the twenty-fourth of June, 1796, and the twenty-fourth of June, 1797, the greateſt

greateſt number of Larch-trees, not fewer than five thouſand; and for having effectually fenced and preſerved the ſame, in order to raiſe timber; the GOLD MEDAL.

35. For the next greateſt number, not fewer than three thouſand, the SILVER MEDAL.

CERTIFICATES of the number of plants, that they were in a healthy and thriving ſtate two years at leaſt after they were planted out, with a general account of the methods uſed in making the plantation, to be delivered to the Society on or before the laſt Tueſday in December, 1799.

36, 37. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the laſt Tueſday in December, 1800.

38, 39. The ſame premiums are extended one year further.

CER-

CERTIFICATES to be produced on or before the laſt Tueſday in December, 1801.

40, 41. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the laſt Tueſday in December, 1802.

42, 43. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the laſt Tueſday in December, 1803.

N. B. The Larch-trees may be either planted, mixed with other trees, or by themſelves, as may beſt ſuit the convenience of the planter.

44. SILVER FIR. For having planted out, between the twenty-fourth of June, 1795, and the twenty-fourth of June, 1796, in a mixed plantation of foreſt-trees, or ſeparate, according to the option of the Candidate, the greateſt number of Silver Firs,

Firs, not fewer than two thouſand; and for having effectually fenced and preſerved the ſame, in order to raiſe timber; the GOLD MEDAL.

45. For the next greateſt number, not fewer than one thouſand, the SILVER MEDAL.

CERTIFICATES of the number of plants, that they were in a healthy and thriving ſtate two years at leaſt after they were planted out, with a general account of the methods uſed in making the plantation, to be delivered to the Society on or before the laſt Tueſday in December, 1799.

46, 47. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the laſt Tueſday in December, 1800.

48, 49. The ſame premiums are extended one year further.

CER-

CERTIFICATES to be produced on or before the laſt Tueſday in December, 1801.

50. OSIERS. To the perſon who ſhall have planted, between the firſt of October, 1798, and the firſt of May, 1799, the greateſt quantity of land, not leſs than five acres, with thoſe kinds of Willows, commonly known by the names of Oſier, Spaniard, New-kind, or French, fit for the purpoſe of baſket-makers, not fewer than twelve thouſand plants on each acre; the GOLD MEDAL, or THIRTY GUINEAS.

51. For the ſecond greateſt quantity of land, not leſs than three acres, the SILVER MEDAL, or TEN GUINEAS.

CERTIFICATES of the planting, and that the plants were in a thriving ſtate five months at leaſt after the planting, to be produced to the Society on or before the laſt Tueſday in November, 1799.

52.

52, 53. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the laſt Tueſday in November, 1800.

54. ALDER. For having planted, in the year 1796, the greateſt number of Alders, not leſs than three thouſand, the GOLD MEDAL.

CERTIFICATES of the number of plants, and that they were in a thriving ſtate two years at leaſt after being planted, to be delivered to the Society on or before the laſt Tueſday in December, 1799.

55. The ſame premium is extended one year further.

CERTIFICATES to be delivered on or before the laſt Tueſday in December, 1800.

56. The ſame premium is extended one year further.

CER-

CERTIFICATES to be delivered on or before the laſt Tueſday in December, 1801.

57. The ſame premium is extended one year further.

CERTIFICATES to be delivered on or before the laſt Tueſday in December, 1802.

58. ASH. For having ſown or ſet, in the year 1796, the greateſt quantity of land, not leſs than ſix acres, with Aſh for timber, with or without ſeeds, cuttings, or plants of ſuch other trees as are adapted to the ſoil; the GOLD MEDAL.

59. For the next greateſt quantity, not leſs than four acres, the SILVER MEDAL.

CERTIFICATES of the ſowing or ſetting agreeably to the above conditions; that there are not fewer than one hundred Aſh plants on each acre, in a thriving and

healthy condition, two years at leaſt after the ſowing or ſetting, with a general account of the methods uſed in making the plantation; to be delivered to the Society on or before the laſt Tueſday in December, 1799.

60, 61. The ſame premiums are extended one year further.

CERTIFICATES to be delivered on or before the laſt Tueſday in December, 1800.

62, 63. The ſame premiums are extended one year further.

CERTIFICATES to be delivered on or before the laſt Tueſday in December, 1801.

64, 65. The ſame premiums are extended one year further.

CERTIFICATES to be delivered on or before the laſt Tueſday in December, 1802.

66,

66, 67. The ſame premiums are extended one year further.

CERTIFICATES to be delivered on or before the laſt Tueſday in December, 1803.

68. TIMBER TREES. To the perſon who ſhall have encloſed, planted, or ſown, the greateſt number of acres, not leſs than ten, with the beſt ſorts of Foreſt-trees, adapted to the ſoil, for timber, between the firſt of October, 1795, and the firſt of May, 1797; the GOLD MEDAL.

An account of the methods uſed in making the plantations, and of the nature of the ſoil, together with proper CERTIFICATES that the trees were in a thriving and healthy ſtate two years at leaſt after making the plantation, to be delivered to the Society on or before the firſt Tueſday in November, 1799.

69. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be delivered to the Society on or before the firſt Tueſday in November, 1800.

70. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be delivered to the Society on or before the firſt Tueſday in November, 1801.

71. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be delivered to the Society on or before the firſt Tueſday in November, 1802.

N. B. With the above Foreſt-trees, the ſeeds, cuttings, or plants, of ſuch other trees as are adapted to the ſoil, and proper for underwood, may or may not be intermixed.

72. PLANTING ORCHARDS. To the perſon who ſhall plant an Orchard after the month of Auguſt in the year 1796, in the

the moſt judicious manner, not leſs than four acres; the GOLD MEDAL, or FIFTY GUINEAS.

73. For the next in merit, the SILVER MEDAL, or THIRTY GUINEAS.

The proof of the value of the improvement of the Orchard ſhall depend on the clear product of the greateſt quantity of fine marketable fruit, to be produced during three ſucceſſive years after the year 1812, and ſold at any public market in England or Wales. Each perſon who propoſes to become a Candidate for theſe Premiums muſt ſend an account of the number of trees, their culture, pruning, and every circumſtance which can in the leaſt throw any light on the ſubject; which information will be regiſtered, with a view to form a ſyſtem of rational culture.

74. And that Gentlemen may be induced to come forward, and to make and preſerve ſuch plantations,—The perſon who can produce an ORCHARD which, at the end

of three years after planting, ſhall ſhew the greateſt promiſe of ſucceſs, ſhall be entitled to the GOLD MEDAL, or THIRTY GUINEAS.

The merits of the two firſt-mentioned Premiums being to be aſcertained by the fruit; the merit of the third Premium muſt be aſcertained by the judicious number of trees planted, the ſtraitneſs, clearneſs, and freedom of growth of the ſeveral trees; and that all the young branches run free, and at due diſtance from each other, without any galling or canker.

CERTIFICATES of the forming the Orchard, the ſoil and aſpect of the plantation, the ſale and product of the fruit for which the claims for the Premiums, Claſſes 72 and 73, are intended to be made, muſt be delivered to the Society on or before the firſt Tueſday in November, 1815; and the Certificate in claim of the Premium, Claſs 74, muſt be delivered to the Society on or before the firſt Tueſday in November, 1799.

N. B.

N. B. However expert the Orchardiſt may be in general information and attention, much will depend on ſoil, expoſure, culture, and an eaſy communication to convey the fruit to market; for every field, however valuable in other reſpects, may not be proper for an Orchard.

Any wood the Orchardiſt may chooſe to raiſe for ſhelter to ſuch plantation, is not to be meaſured as part of the Orchard, as the wood will more than ſupport its own expence.

75, 76, 77. The foregoing Premiums for Orchards, from Claſs 72 to Claſs 74 incluſive, are extended one year further. The claims for the Premiums, Claſs 72 and 73, to be delivered to the Society on or before the firſt Tueſday in November, 1816; and the Certificate in claim of the Premium, Claſs 74, muſt be delivered on or before the firſt Tueſday in November, 1800.

*** *The Candidates for planting all kinds of Trees are to certify, that the reſpective*

Plantations are properly fenced and ſecured, and particularly to ſtate the condition the plants were in at the time of ſigning ſuch Certificate.

Any information which the Candidates for the foregoing Premiums may chooſe to communicate, relative to the methods made uſe of in forming the Plantation, or promoting the growth of the ſeveral Trees, or any other obſervations that may have occurred on the ſubject, will be thankfully received.

78. SECURING PLANTATIONS OF TIMBER-TREES. To the perſon who ſhall give to the Society the moſt ſatisfactory Account, founded on experience, of the moſt effectual and leaſt expenſive method of ſecuring young plantations of timber-trees from Hares and Rabbits, as well as Sheep and larger cattle, which at the ſame time ſhall be leaſt ſubject to the depredations of wood-ſtealers; the SILVER MEDAL, or TWENTY GUINEAS.

The

The ACCOUNTS, and CERTIFICATES of the efficacy of the method, to be produced to the Society on or before the firſt Tueſday in November, 1799.

79. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be produced on or before the firſt Tueſday in November, 1800.

80. PREVENTING THE BLIGHT ON FRUIT-TREES. To the perſon who ſhall diſcover to the Society the beſt and moſt effectual method of preventing the Blight on Fruit-trees, ſuperior to any hitherto known or practiſed, and verified by actual and comparative experiments; the GOLD MEDAL, or THIRTY GUINEAS.

The ACCOUNTS, with proper CERTIFICATES, to be delivered to the Society on or before the ſecond Tueſday in November, 1799.

81.

81. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be delivered on or before the ſecond Tueſday in November, 1800.

82. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be delivered on or before the ſecond Tueſday in November, 1801.

83. TAKING OFF THE ILL EFFECTS OF BLIGHTS. To the perſon who ſhall diſcover to the Society the beſt and moſt effectual method of taking off the ill effects of Blights on Fruit-trees, ſuperior to any hitherto known or practiſed, and verified by actual and comparative experiments; the GOLD MEDAL, or THIRTY GUINEAS.

The ACCOUNTS and CERTIFICATES to be delivered to the Society on or before the firſt Tueſday in February, 1800.

84.

84. COMPARATIVE CULTURE OF WHEAT. For the beſt ſet of experiments, made on not leſs than eight acres, four of which to be ſown broad-caſt, and four drilled, to aſcertain whether it is moſt advantageous to cultivate Wheat by ſowing it in the common broad-caſt way, or by drilling it in equidiſtant rows, hoeing the intervals; the GOLD MEDAL, or the SILVER MEDAL and TWENTY GUINEAS.

It is required that an account of the expence attending each mode of culture, with proper CERTIFICATES of the nature and condition of the land on which the experiments are made, together with an account of the produce of the Corn, be produced to the Society on or before the firſt Tueſday in February, 1800.

85. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be delivered on or before the firſt Tueſday in February, 1801.

86.

86. COMPARATIVE CULTURE OF WHEAT. For the beſt ſet of experiments, made on not leſs than eight acres of land, four of which to be ſown broad-caſt, and four dibbled, to aſcertain whether it is moſt advantageous to cultivate Wheat by ſowing it in the common broad-caſt way, or by dibbling it in equidiſtant rows, hoeing the intervals; the GOLD MEDAL, or the SILVER MEDAL and THIRTY GUINEAS.

It is required that an account of the expence attending each mode of culture, with proper certificates of the nature and condition of the land on which the experiments are made, together with an account of the produce of the Corn, be produced to the Society on or before the firſt Tueſday in February, 1800.

87. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be delivered on or before the firſt Tueſday in February, 1801.

88.

88. BEANS AND WHEAT. To the perſon who ſhall have planted or drilled, between the firſt of December, 1797, and the firſt of April, 1798, the greateſt quantity of land, not leſs than ten acres, with Beans, and ſhall have ſown the ſame land with Wheat in the ſame year 1798; TWENTY GUINEAS.

It is required that an account of the ſort and quantity of Beans, the time of planting or drilling, and of reaping or mowing them, the produce per acre threſhed, the application of the ſtraw, the expence of planting or drilling, hand or horſe hoeing, the diſtance of the rows, and the quality of the ſoil, together with CERTIFICATES of the number of acres, and that the land was actually ſown with Wheat in the year 1798, be produced on or before the firſt Tueſday in November, 1799.

N. B. The Society have been informed, that Beans may be drilled or planted ſo early as the month of December, from whence may

may be derived the advantage of an early harveſt; in which caſe the ſtraw will be far more valuable than that from a later planting or drilling.

89. TURNEPS. For the beſt account of experiments made on at leaſt ſix acres of land, to determine the comparative advantage of the drill or broad-caſt method in the cultivation of Turneps; the GOLD MEDAL, or the SILVER MEDAL and TEN GUINEAS.

The ACCOUNTS, with proper CERTIFICATES, to be delivered on or before the third Tueſday in March, 1800.

It is required that one half of the land be drilled, and the other half ſown broad-caſt.

90. VEGETABLE FOOD. For the beſt account, confirmed by experiments, of the Vegetable Food (Cabbages and Turneps excepted), growing in the months of March and April, that will moſt increaſe the milk in

in Mares, Cows, and Ewes, at that ſeaſon; provided ſuch food can be cultivated at an expence that will admit of its being applied to the above purpoſes; the GOLD MEDAL, or the SILVER MEDAL and TEN GUINEAS.

CERTIFICATES to be produced on or before the ſecond Tueſday in November, 1799.

91. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the ſecond Tueſday in November, 1800.

92. CULTIVATING ROOTS AND HERBAGE FOR FEEDING SHEEP AND BLACK CATTLE. For the moſt ſatisfactory experiments, made between Michaelmas, 1798, and the firſt of May, 1799, in order to aſcertain which of the following plants can be cultivated and houſed or otherwiſe

wiſe ſecured for winter-fodder, to the greateſt advantage, viz.

Turnep-rooted Cabbage,	Carrots,
Turnep Cabbage,	Parſneps,
Turneps,	Potatoes;

the GOLD MEDAL.

The ACCOUNTS, with proper CERTIFICATES, to be produced on or before the firſt Tueſday in November, 1799.

It is required that the above roots be taken off the land by the laſt day of October, 1798; that a crop of Wheat may be ſown in the ſame ground, and the particulars of the ſowing and planting, taking up, produce, preſerving, and application to the feeding Sheep and Black Cattle, be ſpecified. The comparative experiments muſt be made between two or more of any of the above-mentioned plants, and not leſs than one acre be cultivated with each particular kind of plant.

N. B. Great advantage will ariſe to the Farmer occupying land in the neighbourhood

hood of extenſive commons, from the conveniency of keeping large flocks of Sheep, and herds of Cattle, if the difficulty of ſupporting them through the winter was obviated by a due knowledge of this practice.

93. PARSNEPS. To the perſon who, in the year 1799, ſhall cultivate the greateſt quantity of land, not leſs than five acres, with Parſneps, for the ſole purpoſe of feeding Cattle or Sheep; the GOLD MEDAL, or THIRTY GUINEAS.

CERTIFICATES of the quantity of land ſo cultivated, with a particular account of the nature and quality of the ſoil and produce, and alſo of the condition of the Cattle or Sheep fed with the Parſneps, and the advantages reſulting from the practice, to be produced to the Society on or before the ſecond Tueſday in February, 1800.

94. The ſame premium is extended one year further.

The CERTIFICATES and ACCOUNTS to be produced on or before the ſecond Tueſday in February, 1801.

95. MAKING MEADOW HAY IN WET WEATHER. To the perſon who ſhall diſcover to the Society the beſt and cheapeſt method, ſuperior to any hitherto practiſed, of making Meadow Hay in Wet Weather, the GOLD MEDAL, or THIRTY GUINEAS.

A full account of the method employed, and of the expence attending the proceſs, with not leſs than fifty-ſix pounds of the Hay; and Certificates that at leaſt the produce of ſix acres of land has been made according to the method deſcribed, and that the whole is of equal quality with the ſamples; to be produced on or before the firſt Tueſday in January, 1800.

96. HARVESTING CORN IN WET WEATHER. To the perſon who ſhall

ſhall diſcover to the Society the beſt and cheapeſt method, ſuperior to any hitherto practiſed, of harveſting Corn in Wet Weather, the GOLD MEDAL, or THIRTY GUINEAS.

A full account of the method employed, and of the expence attending the proceſs, with not leſs than two Sheaves of the Corn, and Certificates that at leaſt the produce of four acres has been harveſted according to the method deſcribed, and that the whole is of equal quality with the ſamples, to be produced on or before the firſt Tueſday in January, 1800.

97. CULTIVATING THE TRUE RHUBARB. For having raiſed, before the end of the year 1799, the greateſt number of plants, not leſs than two thouſand, of Rheum Palmatum, or true Rhubarb, the GOLD MEDAL, or THIRTY GUINEAS.

CERTIFICATES of the number of plants, that they ſtand at leaſt four feet aſunder,

that they have been in a thriving ſtate during the preceding ſummer, with an account of the ſoil, culture, and aſpect, to be produced on or before the ſecond Tueſday in February, 1800.

98. The ſame premium is extended one year further.

The CERTIFICATES to be produced on or before the ſecond Tueſday in February, 1801.

99. ASCERTAINING THE COMPONENT PARTS OF ARABLE LAND. To the perſon who ſhall produce to the Society the moſt ſatisfactory ſet of experiments, to aſcertain the due proportion of the ſeveral component parts of Arable Land, in one or more Counties in Great Britain, by an accurate analyſis of it; and who, having made a like analyſis of ſome poor land, ſhall, by comparing the component parts of each, and thereby aſcertaining the deficiencies of the poor ſoil, improve a quantity

quantity of it, not leſs than one acre, by the addition of ſuch parts as the former experiments ſhall have diſcovered to be wanting therein, and therefore probably the cauſe of its ſterility; the GOLD MEDAL, or FIFTY GUINEAS.

It is required that the manurings, ploughings, and crops of the improved land, be the ſame after the improvement as before; and that a minute account of the produce in each ſtate, of the weather, and of the various influencing circumſtances, together with the method made uſe of in analyſing the ſoils, be produced, with proper CERTIFICATES, and the chemical reſults of the analyſis, which are to remain the property of the Society, on or before the laſt Tueſday in November, 1799.

It is expected that a quantity, not leſs than ſix pounds, of the rich, of the poor, and of the improved ſoils, be produced, with the Certificates.

N. B. Among the methods or proceſſes made uſe of by Chemiſts, and called DRY

or MOIST, the latter only appears adapted to the aſcertaining the reſpective proportions of the component parts of Arable earth. Dr. Shaw, in his Chemical Lectures; Dr. Home, in his Principles of Agriculture; Dr. George Fordyce, in his Elements of Agriculture; and Sir Torbern Bergman, in his "Diſſertation ſur les Terres Géoponiques;" have treated on theſe ſubjects.

100. The ſame premium is extended one year further.

The ACCOUNTS to be produced on or before the laſt Tueſday in November, 1800.

101. The ſame premium is extended one year further.

The ACCOUNTS to be produced on or before the laſt Tueſday in November, 1801.

102. IMPROVING LAND LYING WASTE. For the moſt ſatisfactory Account

count of the beſt method of improving any of the following ſoils, being land lying waſte or uncultivated, viz. Clay, Gravel, Sand, Chalk, Moor or Peat-earth and Bog; verified by experiments on not leſs than fifty acres of land; the GOLD MEDAL, or the SILVER MEDAL and TWENTY GUINEAS.

103. For the next greateſt quantity of land, not leſs than twenty-five acres, the SILVER MEDAL and TEN GUINEAS.

To be produced, with proper CERTIFICATES, on or before the ſecond Tueſday in December, 1799.

The ſoil, manner of improvement, expence, and product, together with an account of the uſes the improved land has been applied to, are required to be fully explained.

104, 105. The ſame premiums are extended one year further.

The ACCOUNTS to be produced on or before the ſecond Tueſday in December, 1800.

106, 107. The ſame premiums are extended one year further.

The ACCOUNTS to be produced on or before the ſecond Tueſday in December, 1801.

N.B. In all claims for this premium, of this or ſubſequent dates, it will be expected that the claimants produce ſome experiments of ſuch a new kind, as the Society have not granted rewards for.

108. MANURES. For the moſt ſatisfactory ſet of experiments, to aſcertain the comparative advantages of the following Manures, uſed as Top-dreſſings, on Graſs or Corn Land, viz. Soot, Coal-Aſhes, Wood-Aſhes, Lime, Gypſum, Night-ſoil, or any other fit article; the GOLD MEDAL, or the SILVER MEDAL and TWENTY GUINEAS.

It is required that the above experiments be made between two or more of the above-mentioned Manures, and that not leſs than two

two acres of land be dreſſed with each Manure. An account of the nature of the ſoil, quantity and expence of the Manure, and crops, with CERTIFICATES, to be produced on or before the laſt Tueſday in February, 1800.

109. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be produced on or before the laſt Tueſday in February, 1801.

110. IMPROVING WASTE MOORS. For the improvement of the greateſt number of acres of Waſte Moor-Land, not leſs than one hundred, the GOLD MEDAL.

It is required that the land before improvement be abſolutely uncultivated, and in a great meaſure uſeleſs; that in its improved ſtate it be incloſed, cultivated, and divided into fields, ſufficient for the uſe and occupation of a tenant.

111.

111. For the next greateſt quantity, not leſs than fifty acres, the SILVER MEDAL, or TWENTY GUINEAS.

112. For the next greateſt quantity, not leſs than twenty-five acres, the SILVER MEDAL, or TEN GUINEAS.

CERTIFICATES of the number of acres, of the quality of the Moor ſo improved, of the mode and expence of the improvement, the ſtate it is in as to the proportion of graſs to arable, and the average value thereof, to be produced on or before the firſt Tueſday in February, 1800.

113, 114, 115. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in February, 1801.

116, 117, 118. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in February, 1802.

119, 120, 121. The ſame premiums are extended one year further.

CER-

CERTIFICATES to be produced on or before the firſt Tueſday in February, 1803.

122. GAINING LAND FROM THE SEA. To the perſon who ſhall produce to the Society an account of the beſt method, verified by actual experiment, of gaining Land from the Sea, not leſs than twenty acres, on the coaſt of Great-Britain, the GOLD MEDAL.

CERTIFICATES of the quantity of Land, and that the experiments were begun after the firſt of January, 1794, to be produced to the Society on or before the firſt Tueſday in October, 1799.

N. B. The Society have been credibly informed, that land has been gained on the coaſt of Holland, by fixing rows of whiſps of ſtraw upright in the ſand, at about a foot diſtant from each other, or by fixing ſtakes at proper diſtances from each other, and wattling ſtraw-bands between them.

123. The ſame premium is extended one year further.

CER-

CERTIFICATES to be produced on or before the firſt Tueſday in October, 1800.

124. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in October, 1801.

125. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in October, 1802.

126. MACHINE FOR DIBBLING WHEAT. To the perſon who ſhall invent the beſt Machine, to anſwer the purpoſe of Dibbling Wheat, by which the holes for receiving the grain may be made at equal diſtances and proper depths, the grain regularly delivered therein, and effectually covered; the SILVER MEDAL, or TWENTY GUINEAS.

The MACHINE, with CERTIFICATES that at leaſt three acres have been dibbled by

by it, to be produced to the Society on or before the ſecond Tueſday in January, 1800. Simplicity and cheapneſs in the conſtruction will be conſidered as principal parts of its merit.

127. MACHINE TO ANSWER THE PURPOSE OF REAPING OR MOWING CORN. For inventing a Machine to anſwer the purpoſe of mowing or reaping Wheat, Rye, Barley, Oats, or Beans, by which it may be done more expeditiouſly and cheaper than by any method now practiſed, provided it does not ſhed the corn or pulſe more than the methods in common practice, and that it lays the ſtraw in ſuch a manner as that it may be eaſily gathered up for binding; the GOLD MEDAL, or THIRTY GUINEAS.

The MACHINE, with CERTIFICATES that at leaſt three acres have been cut by it, to be produced to the Society on or before the ſecond Tueſday in December, 1799.

Simplicity

Simplicity and cheapneſs in the conſtruction will be conſidered as principal parts of its merit.

128. DESTROYING THE GRUB OF THE COCKCHAFER. To the perſon who ſhall diſcover to the Society an effectual method, verified by repeated and ſatisfactory trials, of deſtroying the Grub of the Cockchafer, or of preventing or checking the deſtructive effects which always attend Corn, Peas, Beans, and Turneps, when attacked by thoſe inſects; the GOLD MEDAL, or THIRTY GUINEAS.

The ACCOUNTS, with proper CERTIFICATES, to be produced on or before the firſt Tueſday in January, 1800.

129. DESTROYING THE WIRE-WORM. To the perſon who ſhall diſcover to the Society an effectual method, verified by repeated and ſatisfactory trials, of deſtroying the Inſect called the Wire-Worm,

or

or of preventing or checking the deſtructive effects which always attend Corn, Beans, Peaſe, or Pulſe, when attacked by thoſe inſects; the GOLD MEDAL, or THIRTY GUINEAS.

The ACCOUNTS, with proper CERTIFICATES, to be produced to the Society on or before the firſt Tueſday in January, 1800.

130. DESTROYING THE FLY ON HOPS, AND CATERPILLARS ON FRUIT-TREES AND CULINARY PLANTS. To the perſon who ſhall diſcover to the Society an eaſy and efficacious method of deſtroying the Fly on Hops, and Caterpillars on Fruit-trees and Culinary Plants, ſuperior to any hitherto known or practiſed, the GOLD MEDAL, or FIFTY GUINEAS.

ACCOUNTS, and CERTIFICATES that the method has been effectually practiſed, on not leſs than ſix acres of Hop-ground, or an Orchard or Garden of not leſs than

two

two acres, to be delivered to the Society on or before the firſt Tueſday in February, 1800.

131. CURE OF THE ROT IN SHEEP. To the perſon who ſhall diſcover to the Society the beſt and moſt effectual method of preventing or curing the diſeaſe called the Rot in Sheep, verified by repeated and ſatisfactory experiments, the GOLD MEDAL, or FIFTY GUINEAS.

It is expected that the Candidates furniſh accurate accounts of the nature, ſymptoms, and cure of the diſeaſe, together with the imputed cauſe thereof, and the actual or probable means of prevention, which, with proper CERTIFICATES, muſt be delivered to the Society on or before the firſt Tueſday in February, 1800.

132. PREVENTING AND CURING THE ILL EFFCTS OF THE FLY ON SHEEP. To the perſon who ſhall diſcover

diſcover to the Society the moſt effectual method of preventing and curing the ill effects of the Fly on Sheep, the SILVER MEDAL, or TWENTY GUINEAS.

It is required that the method be aſcertained by repeated experiments, and that a CERTIFICATE of its efficacy be delivered to the Society on or before the firſt Tueſday in December, 1799.

133. PROTECTING SHEEP. To the perſon who, in the year 1799, ſhall protect the greateſt number of Sheep, not fewer than five hundred, in bad ſeaſons, by houſing them in hovels or ſheds; and give the moſt ſatisfactory account, verified by experiment, of the advantages ariſing from the practice of defending Sheep from the inclemency of the weather, by ſuch hovels or ſheds; TWENTY GUINEAS.

A particular account of the experiments made, with the advantages ariſing therefrom, together with the expence, and CERTIFI-

CATES of its utility, to be produced to the Society on or before the firſt Tueſday in March, 1800.

134. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be delivered on or before the firſt Tueſday in March, 1801.

N. B. It is at the option of the Candidates to have their hovels fixed, or moveable; and it is required, that the CERTIFICATES ſhall ſpecify the length of time the Sheep were under cover, and the manner in which they were maintained during that time; together with the general method of managing them in the ſaid hovels.

135. IMPROVING THE CONDITION OF THE LABOURING POOR, BY ERECTING COTTAGES, AND APPORTIONING LAND. To the perſon who, in the year 1799, ſhall erect the greateſt number of Cottages for the accommodation

commodation of the Labouring Poor, and apportioning not leſs than two acres of Land to each Cottage; the GOLD MEDAL.

136. IMPROVING THE CONDITION OF THE LABOURING POOR, BY APPORTIONING LAND TO COTTAGES. To the perſon who, in the year 1799, ſhall apportion to the greateſt number of Cottages already built upon his or her eſtate, any quantity of Land, not leſs than two acres to each Cottage, for the better accommodation of the reſpective inhabitants; the GOLD MEDAL.

The ACCOUNTS of the number of Cottages erected, and of the quantity of Land apportioned to each, to be delivered to the Society, with proper CERTIFICATES, on or before the firſt Tueſday in February, 1800.

137, 138. The ſame premiums are extended one year further.

The ACCOUNTS and CERTIFICATES to be delivered on or before the firſt Tueſday in February, 1801.

139, 140. The ſame premiums are extended one year further.

The ACCOUNTS and CERTIFICATES to be delivered on or before the firſt Tueſday in February, 1802.

Premiums

Premiums for Diſcoveries and Improvements in Chemiſtry, Dying, and Mineralogy.

141. BARILLA. For the greateſt quantity of Merchantable Barilla, not leſs than half a ton, made from Spaniſh Kali, or any other plant raiſed in Great Britain; the GOLD MEDAL, or THIRTY GUINEAS.

A ſample, of not leſs than twenty-eight pounds, with a CERTIFICATE that half a ton has been made, to be produced on or before the firſt Tueſday in January, 1800.

142. PRESERVING SEEDS OF VEGETABLES. For the beſt method of preſerving the ſeeds of Plants, in a ſtate fit for vegetation, a longer time than has hitherto been practiſed, ſuch method being ſuperior to any known to the public, and verified by ſufficient trial; to be communicated to the Society on or before the firſt Tueſday in December, 1799; the GOLD MEDAL, or THIRTY GUINEAS.

143. The ſame premium is extended one year further; the ACCOUNTS to be produced on or before the firſt Tueſday in December, 1800.

144. METHOD OF SEPARATING THE SACCHARINE SUBSTANCE OF TREACLE IN A SOLID FORM. To the perſon who ſhall diſcover to the Society the beſt method of ſeparating the Saccharine Subſtance of Treacle in a ſolid form, at ſuch an expence as will render it advantageous to the public; the GOLD MEDAL, or FIFTY GUINEAS.

A quantity of the Saccharine Subſtance, ſo ſeparated, in a ſolid form, not leſs than thirty pounds weight, with an account of the proceſs, and CERTIFICATES that not leſs than one hundred weight has been prepared, to be produced to the Society on or before the firſt Tueſday in February, 1800.

145. PRESERVING FRESH-WATER SWEET. To the perſon who ſhall produce

produce to the Society the beſt account, verified by ſatisfactory trials, of an efficacious method of preſerving Freſh-water ſweet during long voyages; the GOLD MEDAL, or FIFTY GUINEAS.

ACCOUNTS, and full deſcriptions of the methods made uſe of, in order that it may be known that nothing injurious enters therein, to be produced to the Society, with at leaſt thirty gallons of Water ſo preſerved, and proper CERTIFICATES, on or before the laſt Tueſday in December, 1799.

146. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be produced on or before the laſt Tueſday in December, 1800.

147. PURIFYING BRACKISH WATER. To the perſon who ſhall diſcover to the Society the beſt and cheapeſt method, verified by actual experiment, of Purifying or reducing Brackiſh Water, which fre-

quently ariſes from New Wells, made in particular places, to a natural ſweetneſs, fit for the uſe of families and for the purpoſe of cattle; the SILVER MEDAL, or FIFTEEN GUINEAS.

Satisfactory CERTIFICATES that ſuch Brackiſh Water has been rendered perfectly ſweet, and uſed by the family to which ſuch Well may belong at leaſt three months afterwards, with an account of the method made uſe of in purifying the ſame, to be delivered to the Society on or before the ſecond Tueſday in February, 1800.

148. DESTROYING SMOKE. For the beſt account, aſcertained by proper experiments, of a cheap method of deſtroying or burning the Smoke of Fires belonging to Steam-Engines, Furnaces employed in calcining or ſmelting Metals, or other large works, in order to prevent annoyance to the neighbourhood; to be produced on or before the firſt Tueſday in January, 1800; the GOLD MEDAL, or THIRTY GUINEAS.

149.

149. The ſame premium is extended one year further.

The ACCOUNTS to be produced on or before the firſt Tueſday in January, 1801.

150. CONDENSING SMOKE. To the perſon who ſhall invent the beſt method by which the Smoke of Steam-Engines, Brewhouſes, Sugar-houſes, or Furnaces, may be advantageouſly condenſed and collected in the form of Tar, or ſome other uſeful material; the GOLD MEDAL, or FIFTY GUINEAS.

The ACCOUNTS, with proper CERTIFICATES of the method having been ſucceſsfully employed, and ſpecimens of the materials produced, to be delivered to the Society on or before the firſt Tueſday in December, 1799.

151. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be produced on or before the firſt Tueſday in December, 1800.

152.

152. CANDLES FROM RESIN OR OTHER SUBSTANCE. To the perſon who ſhall diſcover to the Society the beſt method of making Candles of Reſin, or any other ſubſtance, fit for common uſe, at a price much inferior to thoſe made of Tallow only; the GOLD MEDAL, or THIRTY GUINEAS.

Six pounds at leaſt of the Candles ſo prepared, with an ACCOUNT of the proceſs, to be delivered to the Society on or before the firſt Tueſday in December, 1799.

153. REFINING WHALE OR SEAL OIL. For diſcloſing to the Society an effectual method of purifying Whale or Seal Oil from the glutinous matter that encruſts the wicks of lamps and extinguiſhes the light, though fully ſupplied with oil; the GOLD MEDAL, or FIFTY GUINEAS.

It is required that the whole of the proceſs be fully and fairly diſcloſed, in order that ſatisfactory experiments may be made by the Society to determine the validity of the

the claim; and CERTIFICATES that not leſs than twenty gallons have been purified according to the proceſs delivered in, together with two gallons of the oil, in its unpurified ſtate, and two gallons ſo refined, be produced to the Society on or before the ſecond Tueſday in February, 1800.

154. The ſame premium is extended one year further.

CERTIFICATES and SAMPLES to be produced on or before the ſecond Tueſday in February, 1801.

155. CLEARING FEATHERS FROM THEIR ANIMAL OIL. To the perſon who ſhall diſcover to the Society the beſt and moſt expeditious method, ſuperior to any hitherto practiſed, of clearing Gooſe-feathers from their offenſive Animal Oil, for the uſe of Upholders, in making beds, cuſhions, &c. the GOLD MEDAL, or FORTY GUINEAS.

A quantity of ſuch Feathers, unſtripped, and ſo cleared, not leſs than forty pounds weight,

weight, with a full account of the proceſs, to be produced to the Society on or before the firſt Tueſday in February, 1800.

156. SUBSTITUTE FOR, OR PREPARATION OF, YEAST. For diſcovering to the Society an effectual Subſtitute for Yeaſt, or preparation of Yeaſt, which, after being kept ſix months, ſhall be fit for fermenting liquors, and raiſing bread; the GOLD MEDAL, or THIRTY GUINEAS.

Specimens of the Subſtitute, or of the Preparation of Yeaſt, ſufficient for trials, together with a paper ſealed up, and containing an account of the compoſition of the Subſtitute, or method of preparing the Yeaſt, to be produced on or before the laſt Tueſday in November, 1799.

157. PROOF SPIRIT. To the Diſtiller who in the year 1799 ſhall make the greateſt quantity, not leſs than one hundred gallons, of a clean marketable Spirit, from articles

articles not the food of man or cattle, equal in ſtrength or quality to the Proof Spirit now in uſe, and at a rate not higher than the ſpirit produced from corn or melaſſes; the GOLD MEDAL, or FIFTY GUINEAS.

Ten gallons of the Spirit, together with proper CERTIFICATES, and a full account of the expence and mode of making it, to be produced to the Society on or before the firſt Tueſday in January, 1800.

158. PRESERVING SALTED PROVISIONS FROM BECOMING RANCID OR RUSTY. To the perſon who ſhall diſcover to the Society the beſt, cheapeſt, and moſt efficacious method of preſerving Salted Proviſions from growing rancid or ruſty; the GOLD MEDAL, or THIRTY GUINEAS.

A full deſcription of the method, with proper CERTIFICATES that it has been found, on repeated trials, to anſwer the purpoſe intended, to be produced to the Society on or before the firſt Tueſday in February, 1800.

159. The

159. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be produced to the Society on or before the firſt Tueſday in February, 1801.

160. INCREASING STEAM. To the perſon who ſhall diſcover to the Society a method, verified by actual experiments, of increaſing the quantity or the force of Steam, in Steam-Engines, with leſs fuel than is uſually employed, provided that in general the whole amount of the expences, in uſing Steam-Engines, may be conſiderably leſſened; the GOLD MEDAL, or THIRTY GUINEAS.

To be communicated to the Society on or before the firſt Tueſday in January, 1800.

N. B. As it is well known there are methods of preventing the ebullition of liquids by the addition of particular matters in the boiling, it is ſubmitted to the conſideration of the ingenious, whether, by the addition

addition of ſome matters, or by ſome mechanical operations, the boiling and evaporation may not be increaſed.

161. PREVENTING THE DRY-ROT IN TIMBER. To the perſon who ſhall diſcover to the Society the cauſe of the Dry-Rot in Timber, and diſcloſe a certain method of prevention, ſuperior to any hitherto known; the GOLD MEDAL, or THIRTY GUINEAS.

The ACCOUNTS of the cauſe, and method of prevention, confirmed by repeated experiments, to be produced to the Society on before the ſecond Tueſday in December, 1799.

162. The ſame premium is extended one year further.

The ACCOUNTS to be produced on or before the ſecond Tueſday in December, 1800.

163. FINE BAR-IRON. To the perſon, in Great Britain, who ſhall make the

the greateſt quantity of Bar-Iron, not leſs than ten tons, with Coak, from Coak Pigs, equal in quality to the beſt Iron imported from Sweden or Ruſſia, and as fit for converting into Steel; the GOLD MEDAL.

SAMPLES, not leſs than one hundred weight, with CERTIFICATES that the whole quantity is of equal quality, to be produced to the Society on or before the firſt Tueſday in January, 1800.

164. METHOD OF PREPARING WHITE LEAD, WHICH SHALL NOT BE PREJUDICIAL. To the perſon who ſhall diſcover to the Society a method of preparing White Lead, in a manner that ſhall not be prejudicial to the health of the Workmen employed either in making or uſing it, and will anſwer all the purpoſes for which White Lead is at preſent uſed; the GOLD MEDAL, or FIFTY GUINEAS.

A quantity of the White Lead ſo prepared, with an account of the proceſs made uſe of,

of, and CERTIFICATES that not leſs than one ton has been manufactured in the ſame manner, to be produced to the Society on or before the ſecond Tueſday in February, 1800.

165. SUBSTITUTE FOR THE BASIS OF PAINT. To the perſon who ſhall produce to the Society the beſt Subſtitute, ſuperior to any hitherto known, for the Baſis of Paint, equally proper for the purpoſe as the White Lead now employed; ſuch ſubſtitute not to be of a noxious quality, and which may be afforded at a price not materially higher than that of White Lead; the GOLD MEDAL, or ONE HUNDRED GUINEAS.

A quantity of the Subſtitute, not leſs than fifty pounds weight, with an ACCOUNT of the proceſs uſed in preparing it, and CERTIFICATES that at leaſt one hundred weight has been manufactured, to be produced to the Society on or before the ſecond Tueſday in November, 1799.

166. The ſame premium is extended one year further.

CERTIFICATES and ACCOUNTS to be produced on or before the ſecond Tueſday in November, 1800.

167. RED PIGMENT. To the perſon who ſhall diſcover to the Society a full and ſatisfactory proceſs for preparing a red Pigment, fit for uſe, in oil or water, equal in tone and brilliancy to the beſt Carmines and Lakes now known or in uſe, and perfectly durable; the GOLD MEDAL, or THIRTY GUINEAS.

One pound weight of ſuch Colour, and a full diſcloſure of its preparation, to be produced to the Society on or before the firſt Tueſday in February, 1800.

N. B. It is not required that the Colour ſo to be produced ſhould reſiſt the action of fire or chemical applications, but remain unaltered by the common expoſure to ſtrong light, damps, and noiſome vapours.

168.

168. REFINING BLOCK TIN. To the perſon who ſhall diſcover to the Society the beſt method of purifying or refining *Block Tin*, in ſuch a manner as to render it fit for the finer purpoſes to which *Grain Tin* is now ſolely applied, and at an expence that ſhall not render it higher in price than *Grain Tin*; the GOLD MEDAL, or FIFTY GUINEAS.

CERTIFICATES that not leſs than three tons have been refined or purified, with a full detail of the proceſs, and a quantity, not leſs than one hundred weight, of the Tin ſo refined, to be produced to the Society on or before the firſt Tueſday in November, 1799.

169. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the firſt Tueſday in November, 1800.

170. GLAZING EARTHEN WARE WITHOUT LEAD. To the perſon who

ſhall diſcover to the Society the cheapeſt, ſafeſt, moſt durable, and moſt eaſily fuſible Compoſition, fit for the purpoſe of glazing the ordinary kinds of Earthen Ware, without any preparation of Lead, and equal to any hitherto in uſe; the GOLD MEDAL, or THIRTY GUINEAS.

SPECIMENS of the Ware ſo glazed, with proper CERTIFICATES of its having ſucceeded, and a SAMPLE of the materials made uſe of, to be produced to the Society on or before the firſt Tueſday in February, 1800.

171. BLACK DYE ON COTTON. To the perſon who ſhall invent and produce to the Society a Black Dye on Cotton Yarn, ſuperior to any hitherto known or in uſe; the GOLD MEDAL, or THIRTY GUINEAS.

A full ACCOUNT of the proceſs, with CERTIFICATES that the Cotton thus dyed ſtands waſhing with ſoap, and a SAMPLE of the Yarn ſo dyed, not leſs than five pounds weight, to be produced to the Society on

or

or before the firſt Tueſday in February, 1800.

172. PRESERVING IRON FROM RUST. To the perſon who ſhall invent and diſcover to the Society, a cheap Compoſition, which ſhall effectually preſerve Wrought Iron from Ruſt, the GOLD MEDAL, or FIFTY GUINEAS.

A full deſcription of the method of preparing the Compoſition, with CERTIFICATES that it has ſtood at leaſt two years unimpaired, and expoſed to the atmoſphere during the whole time, to be produced to the Society, with ten pounds weight of the compoſition, on or before the firſt Tueſday in January, 1800.

173. The ſame premium is extended one year further.

The deſcription and CERTIFICATES to be produced to the Society on or before the firſt Tueſday in January, 1801.

174. The ſame premium is extended one year further.

The deſcription and CERTIFICATES to be produced to the Society on or before the laſt Tueſday in January, 1802.

175. OPIUM. To the perſon who, in the year 1799, ſhall prepare the greateſt quantity, not leſs than twenty pounds weight, of Opium, from Poppies grown in Great Britain, and equal in quality to the beſt foreign Opium; the GOLD MEDAL, or FIFTY GUINEAS.

176. For the next greateſt quantity, not leſs than ten pounds weight, the SILVER MEDAL, or TWENTY GUINEAS.

SAMPLES of the Opium, not leſs than five pounds weight, with proper CERTIFICATES that the whole is of the ſame quality, to be produced to the Society, with a particular account of the method of cultivating the Poppies, and preparing the Opium, on or before the laſt Tueſday in February, 1800.

177,

177, 178. The ſame premiums are extended one year further.

The SAMPLES, CERTIFICATES, and ACCOUNTS, to be produced to the Society on or before the laſt Tueſday in February, 1801.

179. SUBSTITUTE FOR TAR. To the perſon who ſhall invent and diſcover to the Society the beſt Subſtitute for Vegetable Tar, equal in all its properties to the beſt Stockholm Tar, and prepared from materials the produce of Great-Britain; the GOLD MEDAL, or ONE HUNDRED GUINEAS.

A quantity of the Subſtitute, not leſs than one hundred weight, with CERTIFICATES that at leaſt one ton has been manufactured, and that it can be afforded at a price not exceeding that of the beſt foreign Tar, together with an Account of the proceſs, to be delivered to the Society on or before the firſt Tueſday in March, 1800.

180. The ſame premium is extended one year further.

The SAMPLES, CERTIFICATES, and ACCOUNTS, to be delivered to the Society on or before the firſt Tueſday in March, 1801.

Premiums

Premiums for promoting the Polite Arts.

181. HONORARY PREMIUMS FOR DRAWINGS. For the beſt Drawing of any kind, made with Water-Colours, Crayons, Chalk, Black Lead, Pen, Indian Ink, or Biſter, by young Gentlemen under the age of twenty-one, ſons or grandſons of Peers, or Peereſſes in their own right, of Great Britain or Ireland, to be produced on or before the firſt Tueſday in March, 1800, the HONORARY MEDAL of the Society IN GOLD.

182. The ſame IN SILVER for the next in merit.

183, 184. The ſame premiums will be given, on the like conditions, to young Ladies, daughters or grand-daughters of Peers, or Peereſſes in their own right, of Great Britain or Ireland.

185. HONORARY PREMIUMS FOR DRAWINGS. For the beſt Drawing

ing of any kind, made with Water-colours, Crayons, Chalk, Black Lead, Pen, Indian Ink, or Biſter, by young Gentlemen under the age of twenty-one; to be produced on or before the firſt Tueſday in March, 1800; the GOLD MEDAL.

186. For the next in merit, the SILVER MEDAL.

187, 188. The ſame premiums will be given for Drawings by young Ladies.

N. B. As the foregoing Honorary Premiums are intended only for ſuch of the Nobility and Gentry as may hereafter become patrons or patroneſſes of the Arts; perſons profeſſing any branch of the Polite Arts, or any buſineſs dependent on the Arts of Deſign, or the ſons or daughters of ſuch perſons, will not be admitted Candidates in theſe Claſſes.

The following Premium (Claſs 189) is offered in conformity to the Will of the late John Stock, of Hampſtead, Eſq.

189. SCULPTURE. For the beſt Baſſo-relievo in Terra Cotta, the ſubject taken from the Iliad of Homer, and conſiſting of not fewer than three human figures, the height of the principal figure not leſs than twelve inches, to be produced on or before the third Tueſday in February, 1800, a SILVER MEDALLION, with the following engraved inſcription: *The Premium given by the Society for the Encouragement of Arts, Manufactures, and Commerce, in conformity to the Will of John Stock, of Hampſtead, Eſq.*

The Baſſo-relievo to which the premium is adjudged to remain the property of the Society.

190. DRAWINGS OF OUTLINES. For the beſt Outline, after an original group

or

or caſt, in plaſter, of Human Figures, by perſons of either ſex, under the age of ſixteen, the principal figure not leſs than twelve inches; to be produced on or before the third Tueſday in February, 1800; the greater SILVER PALLET.

191. For the next in merit, the leſſer SILVER PALLET.

N. B. Theſe Drawings are to be made on Paper; and the original either to be produced to the Society, or to be referred to for their examination.

192. DRAWINGS OF LANDSCAPES. For the beſt Drawing of a Landſcape after nature, by perſons of either ſex, under twenty-one years of age, to be produced on or before the third Tueſday in February, 1800, the greater SILVER PALLET.

193. For the next in merit, the leſſer SILVER PALLET.

Each

Each Candidate muſt mention, on the front of the Drawing, from whence the View was taken; and the Drawings muſt be made with Chalk, Pen, Indian Ink, Water-Colours, or Biſter.

194. HISTORICAL DRAWINGS. For the beſt Hiſtorical Drawing, being an original compoſition, of five or more Human Figures; the height of the principal figure not leſs than eight inches; to be made with Crayons, Chalk, Black Lead, Pen, Indian Ink, Water-Colours, or Biſter, and to be produced on or before the third Tueſday in February, 1800; the GOLD PALLET.

195. For the next in merit, the greater SILVER PALLET.

196. SURVEYS OF COUNTIES. To the perſon who, in the year 1799, ſhall complete and publiſh an accurate Survey of any one County in England or Wales, on a ſcale of not leſs than one inch to a mile, for which

which rewards have not already been given by the Society; the GOLD MEDAL, or FIFTY GUINEAS.

CERTIFICATES of the accuracy of the Survey, and that it was begun after the firſt of June, 1795, together with the Map, to be produced on or before the laſt Tueſday in January, 1800.

The Map to which the premium ſhall be adjudged, to remain the property of the Society.

N. B. The Society are already in poſſeſſion of Surveys of the following Counties, viz. Bedford, Cheſhire, Cornwall, Cumberland, Derbyſhire, Devonſhire, Dorſetſhire, Durham, Hampſhire, Herefordſhire, Hertfordſhire, Huntingdonſhire, Lancaſhire, Leiceſterſhire, Northamptonſhire, North Wales (large and ſmall), Nottinghamſhire, Oxfordſhire, Somerſetſhire, Staffordſhire, Suffolk, Surrey, Suſſex, Weſtmoreland, and Worceſterſhire.

179. The ſame premium is extended one year further.

The

The Survey to be begun after the firſt of June, 1796; and the Map to be produced on or before the laſt Tueſday in January, 1801.

198. The ſame premium is extended one year further.

The Survey to be begun after the firſt of June, 1797; and the Map to be produced on or before the laſt Tueſday in January, 1802.

199. NATURAL HISTORY. To the Author who ſhall publiſh, in the year 1799, the Natural Hiſtory of any County of England or Wales, the GOLD MEDAL, or FIFTY GUINEAS.

It is required that the ſeveral natural productions, whether animal, vegetable or mineral, peculiar to the County, or found therein, be carefully and ſpecifically arranged and deſcribed, in order that the Public may be enabled to judge what Arts

or

or Manufactures are moſt likely to ſucceed in ſuch County.

The Work to be delivered to the Society on or before the laſt Tueſday in January, 1800.

200. The ſame premium is extended one year further.

The Work to be delivered to the Society on or before the laſt Tueſday in January, 1801.

201. The ſame premium is extended one year further.

The Work to be delivered to the Society on or before the firſt Tueſday in January, 1802.

CONDITIONS.

No perſon who has gained the firſt premium in any Claſs, will be admitted a Candidate in a claſs of an inferior age; and no Candidate

Candidate ſhall receive more than one Premium in one year; nor will they who for two ſucceſſive years ſhall gain the firſt Premium in one Claſs, be ever again admitted as Candidates in that Claſs.

No perſon ſhall ever be admitted a Candidate in any Claſs, in which he has three times obtained the whole of the firſt Premium.

No Candidate ſhall ſend in more than one Performance in any one Claſs.

All the Claims which are produced each Seſſion before the Committee of Polite Arts (to which Premiums or Bounties are adjudged), are to remain with the Society till after the public diſtribution of Rewards in May.

No Claim for a Premium in the Polite Arts will be admitted, that has obtained, or has been produced in order to obtain, a Premium, Reward, or Gratification, from any other Society, or any Academy or School.

All Performances that obtain Premiums in the Polite Arts, muſt be begun after the publication of ſuch Premiums.

Purpoſely to encourage real merit, and to prevent any attempts to impoſe on the Society, by producing drawings which ſhall have been made or retouched by any other perſon than the Candidate, the Society is reſolved, upon all occaſions, with reſpect to the ſucceſsful Candidates in Claſſes 190 to 194 incluſive, to prove their abilities, by requiring a ſpecimen made under the inſpection of the Committee of Polite Arts, in every inſtance where ſuch proof can be obtained.

It is required that all Candidates in the Polite Arts do ſignify, on their drawings, their age; and whether the performances are originals, or copies; and, if copies, whence they were taken.

Premiums

Premiums for encouraging and improving Manufactures.

202. SILK. For the greateſt quantity of merchantable Silk, not leſs that ten pounds weight, produced by worms bred in England in the year 1799, the property of any one perſon; the GOLD MEDAL.

203. For the ſecond greateſt quantity, not leſs than five pounds weight; the SILVER MEDAL.

SPECIMENS of the SILK, not leſs than one pound, with CERTIFICATES that the whole is of equal quality, and produced in England, to be delivered to the Society on or before the firſt Tueſday in January, 1800.

204. MACHINE FOR CARDING SILK. For the beſt Machine, ſuperior to any now in uſe, for carding Waſte Silk equally well as by hand; to be produced, together with a ſpecimen of the Cardings,

on or before the firſt Tueſday in November, 1799; the GOLD MEDAL, or THIRTY GUINEAS.

205. CLOTH FROM HOP-STALKS OR BINES. To the perſon who ſhall produce to the Society the greateſt quantity, not leſs than thirty yards, of Cloth, at leaſt twenty-ſeven inches wide, made in Great Britain, of Hop-Stalks or Bines, and ſuperior to any hitherto manufactured in England of that material; the GOLD MEDAL, or THIRTY GUINEAS.

One pound of the Thread of which the Cloth is made, and thirty yards of the Cloth, together with proper CERTIFICATES that the whole is manufactured from Hop-Stalks or Bines, to be produced to the Society on or before the firſt Tueſday in December, 1799.

N. B. The Society are already in poſſeſſion of Cloth made in England from Hop-Stalks or Bines, which may be inſpected by application to the Regiſter.

206.

206. WICKS FOR CANDLES OR LAMPS. To the perſon who ſhall diſcover to the Society a method of manufacturing Hop-Stalks or Bines, or any other cheap material, the growth of Great Britain, ſo as to render them fit for the purpoſe of ſupplying the place of Cotton, for Wicks of Candles or Lamps; TWENTY GUINEAS.

SAMPLES, not leſs than five pounds weight, of the Wicks, ſo prepared, to be produced to the Society, with CERTIFICATES that the whole quantity is equal in quality to the Sample, on or before the ſecond Tueſday in January, 1800.

207. The ſame premium is extended one year further.

SAMPLES and CERTIFICATES to be produced on or before the ſecond Tueſday in January, 1801.

208. PAPER FROM RAW VEGETABLE SUBSTANCES. To the perſon

in Great Britain who ſhall make the greateſt quantity, not leſs than ten reams, of the beſt and moſt uſeful Paper, from Raw Vegetable Subſtances; TWENTY GUINEAS.

CERTIFICATES of the making ſuch Paper, and one ream of the Paper, to be produced on or before the firſt Tueſday in November, 1799.

N. B. The Society are in poſſeſſion of two volumes, containing a great variety of ſpecimens of Paper made from Raw Vegetables, viz. Thiſtles, Potatoe-Haum, Poplar, Hop-bines, &c. which volumes may be inſpected by any perſon, on application to the Regiſter.

209. TAKING PORPOISES. To the people in any boat or veſſel, who, in the year 1799, ſhall take the greateſt number of Porpoiſes, on the coaſt of Great Britain, by Gun-Harpoon, or any other method, not fewer than thirty, for the purpoſe of extracting oil from them; THIRTY POUNDS.

CERTI-

CERTIFICATES of the number, ſigned by the perſons to whom they have been ſold or delivered for the purpoſe of extracting the oil, to be produced to the Society on or before the laſt Tueſday in January, 1800.

210. OIL FROM PORPOISES. To the perſon who ſhall manufacture the greateſt quantity of Oil from Porpoiſes taken on the coaſt of Great Britain, in the year 1799, not leſs than thirty tons; THIRTY POUNDS.

211. For the next greateſt quantity, not leſs than fifteen tons, FIFTEEN POUNDS.

CERTIFICATES of the Oil having been made from Porpoiſes actually caught on the coaſt of Great Britain, and two gallons of the Oil, as a Sample, to be produced to the Society on or before the laſt Tueſday in February, 1800.

Premiums for Inventions in Mechanicks.

212. TRANSIT INSTRUMENT. To the perſon who ſhall invent and produce to the Society a cheap and portable Tranſit Inſtrument, which may eaſily be converted into a Zenith Sector, capable of being accurately and expeditiouſly adjuſted for the purpoſe of finding the Latitudes and Longitudes of places, and ſuperior to any portable Tranſit Inſtrument now in uſe; the GOLD MEDAL, or FORTY GUINEAS.

To be produced on or before the laſt Tueſday in January, 1800.

213. TAKING WHALES BY THE GUN-HARPOON. To the perſon who, in the year 1799, ſhall ſtrike the greateſt number of Whales, not fewer than three, with the Gun-Harpoon; TEN GUINEAS.

Proper CERTIFICATES of the ſtriking ſuch Whales, and that they were actually taken

taken in the year 1799, ſigned by the Maſter, or by the Mate when the Claim is made by the Maſter, to be produced to the Society on or before the laſt Tueſday in December, 1799.

214. DRIVING BOLTS INTO SHIPS. To the perſon who ſhall invent and produce to the Society a Model, ſhewing a method of driving Bolts into Ships, particularly thoſe of Copper, without ſplitting the head or bending them, with more diſpatch, in all directions, and tighter than by any means hitherto known or in uſe; the GOLD MEDAL, or FORTY GUINEAS.

The Model, with CERTIFICATES that a Machine on the ſame conſtruction has been uſed to advantage, to be produced to the Society on or before the firſt Tueſday in February, 1800.

215. PARISH OR FAMILY MILL. To the perſon who ſhall invent and produce to the Society, the beſt-conſtructed Mill for grinding

grinding corn for the uſe of private families, or pariſh poor; the conſtruction to be ſuch as to render the working of the Mill eaſy and expeditious, and ſuperior to any hitherto in uſe; the GOLD MEDAL, or FORTY GUINEAS.

The Mill, and CERTIFICATES of its having been uſed to good effect, to be produced to the Society on or before the firſt Tueſday in February, 1800.

N. B. Cheapneſs and ſimplicity will be conſidered as eſſential parts of its merit.

216. MACHINE FOR RAISING COALS, ORE, &c. &c. To the perſon who ſhall invent a Machine for raiſing Coals, Ore, &c. from Mines, which ſhall produce the effect at a leſs expence than thoſe already known or in uſe; the GOLD MEDAL, or FIFTY GUINEAS.

A Model of the Machine, made on a ſcale of not leſs than one inch to a foot, with a CERTIFICATE that a Machine at large

large on the ſame conſtruction has been advantageouſly uſed, to be produced to the Society on or before the ſecond Tueſday in February, 1800.

217. MACHINE FOR RAISING WATER. To the perſon who ſhall invent a Machine, on a better, cheaper, and more ſimple conſtruction than any hitherto known or in uſe, for raiſing Water out of Wells, &c. from a depth not leſs than fifty feet; the GOLD MEDAL, or FORTY GUINEAS.

CERTIFICATES of the performance of the Machine, and a Model of it, on a ſcale of not leſs than one inch to a foot, to be produced to the Society on or before the firſt Tueſday in February, 1800.

218. MACHINE FOR MAKING BRICKS. To the perſon who ſhall invent the beſt and cheapeſt Machine for making Bricks, ſuperior to any hitherto known or in uſe, whereby the labour and expence of making

making Bricks in the uſual mode, by hand, may be greatly diminiſhed; FORTY GUINEAS.

A Model, with CERTIFICATES that a Machine at large, on the ſame conſtruction, has been uſed to good effect for the purpoſe of making Bricks, and that at leaſt one hundred thouſand Statute Bricks have been made therewith, to be produced to the Society on or before the firſt Tueſday in March, 1800.

219. BORING ROCKS IN ORDER TO BLAST THEM. To the perſon who ſhall diſcover to the Society a more cheap, ſimple, and expeditious Method than any hitherto known or in uſe, of Boring Rocks in Mines, Shafts, Wells, &c. for the purpoſe of Blaſting them with Gunpowder; the GOLD MEDAL, or FORTY GUINEAS.

CERTIFICATES of the Method having been practiſed with ſucceſs, with a full deſcription thereof, to be delivered to the Society

Society on or before the firſt Tueſday in January, 1800.

220. PREVENTING PASSENGERS IN CARRIAGES BEING INJURED WHEN THE HORSES HAVE TAKEN FRIGHT. To the perſon who ſhall invent and diſcover to the Society the beſt and moſt effectual method of preventing Paſſengers in Carriages being injured when the Horſes have taken fright; the GOLD MEDAL, or THIRTY GUINEAS.

CERTIFICATES that the Invention has been uſefully applied to at leaſt one Carriage, and may be advantageouſly applied to others, to be produced to the Society on or before the ſecond Tueſday in February, 1800.

221. GUNPOWDER MILLS. To the perſon who, in the year 1799, ſhall invent and bring to perfection the moſt effectual method of ſo conducting the works of Gunpowder Mills, in the buſineſs of making

king Gunpowder, as to prevent the poſſibility of their being blown up and deſtroyed by exploſion; the GOLD MEDAL, or ONE HUNDRED GUINEAS.

CERTIFICATES and ACCOUNTS of the method having been put in practice in one or more Gunpowder Mills in this kingdom, and that it promiſes, in the opinion of the beſt judges concerned in ſuch works, to anſwer the purpoſe intended, to be produced to the Society on or before the firſt Tueſday in February, 1800.

222. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be produced on or before the firſt Tueſday in February, 1801.

N. B. As an encouragement to perſons to turn their thoughts to improvements of this nature, if any ſhould be made on the preſent method of conducting the buſineſs of Gunpowder-making, which fall ſhort of the

the total prevention of exploſion, and they are ſent to the Society, for the ſake of humanity, the Papers ſo ſent in will receive due conſideration, and ſuch Bounty or Reward will be beſtowed thereon as they appear to merit.

223. MILL STONES. To the perſon who ſhall diſcover, in Great Britain, a Quarry of Stone fit for the purpoſes of Mill Stones for grinding Wheat, and equal in all reſpects to that Stone known by the name of FRENCH BURR; the GOLD MEDAL, or ONE HUNDRED POUNDS.

A pair of Mill Stones, at leaſt three feet eight inches diameter, with an account of the ſituation of the Quarry, and CERTIFICATES that not fewer than two pair of ſuch Mill Stones have been effectually uſed for grinding Wheat, to be produced to the Society on or before the firſt Tueſday in February, 1800.

224. The ſame premium is extended one year further.

The

The ACCOUNTS, SAMPLES, and CERTIFICATES, to be produced to the Society on or before the firſt Tueſday in February, 1801.

225. HEATING ROOMS FOR THE PURPOSES OF MANUFACTURERS. To the perſon who ſhall invent and diſcover to the Society a Method of Heating Rooms, ſuperior to any hitherto known or in uſe, and at a moderate expence, for the purpoſes of Painters, Japanners, and other Manufacturers, ſo as to avoid the neceſſity of iron or copper funnels going through the rooms to convey the ſmoke, whereby the danger from ſuch tunnels may be prevented; the GOLD MEDAL, or FORTY GUINEAS.

A Model, or complete Drawing and Deſcription of the Method, with CERTIFICATES that it has been ſucceſsfully practiſed, to be delivered to the Society on or before the laſt Tueſday in March, 1800.

Premiums

Premiums offered for the advantage of the Britiſh Colonies.

226. NUTMEGS. For the greateſt quantity of Merchantable Nutmegs, not leſs than ten pounds weight, being the growth of his Majeſty's dominions in the Weſt Indies, or any of the Britiſh Settlements on the Coaſt of Africa, or the ſeveral Iſlands adjacent thereto, and equal to thoſe imported from the Iſlands of the Eaſt Indies; the GOLD MEDAL, or ONE HUNDRED GUINEAS.

Satisfactory CERTIFICATES, from the Governor or Commander in Chief, of the place of growth, with an account of the number of trees, their age, nearly the quantity of fruit on each tree, and the manner of culture, to be produced on before the firſt Tueſday in December, 1799.

227. The ſame premium is extended one year further.

CERTIFICATES to be produced on or before the ſecond Tueſday in December, 1800.

228. CINNAMON. For importing into the port of London, in the year 1799, the greateſt quantity, not leſs than twenty pounds weight, of Cinnamon, being the growth of ſome of the Iſlands in the Weſt Indies belonging to the Crown of Great Britain, or any of the Britiſh Settlements on the Coaſt of Africa, or the ſeveral Iſlands adjacent thereto, and equal in goodneſs to the Cinnamon brought from the Eaſt Indies; the GOLD MEDAL, or FIFTY GUINEAS.

SAMPLES, not leſs than two pounds weight, with CERTIFICATES that the whole quantity is equal in goodneſs; together with ſatisfactory CERTIFICATES, ſigned by the Governor, or Commander in Chief, of the place of growth, with an account of the number of trees growing on the ſpot, their age, and the manner of culture;

ture; to be produced to the Society on or before the firſt Tueſday in January, 1800.

229. CLOVES. For importing into the port of London, in the year 1799, the greateſt quantity of Cloves, not leſs than twenty pounds weight, being of the growth of ſome of the Iſlands of the Weſt Indies, ſubject to the Crown of Great Britain, or any of the Britiſh Settlements on the Coaſt of Africa, or the ſeveral Iſlands adjacent thereto, and equal in goodneſs to the Cloves brought from the Eaſt Indies; the GOLD MEDAL, or FIFTY GUINEAS.

SAMPLES, not leſs than two pounds weight, with CERTIFICATES that the whole quantity is equal in goodneſs, together with ſatisfactory CERTIFICATES, ſigned by the Governor, or Commander in Chief, of the place of growth, with an account of the number of trees growing on the ſpot, their age, and the manner of culture, to be produced to the Society

on or before the firſt Tueſday in January, 1800.

230. The ſame premium is extended one year further.

SAMPLES and CERTIFICATES to be produced on or before the firſt Tueſday in January, 1801.

231. PLANTATIONS OF BREAD-FRUIT TREES. To the perſon who ſhall have raiſed in any of the Iſlands of the Weſt-Indies, ſubject to the Crown of Great Britain, or in any of the Britiſh Settlements on the Coaſt of Africa, or the ſeveral Iſlands adjacent thereto, between the firſt of January, 1798, and the firſt of January, 1799, the greateſt number of Bread-fruit Trees, not fewer than one hundred, and properly fenced and ſecured the ſame, in order to ſupply the Fruit to the Inhabitants; the GOLD MEDAL, or THIRTY GUINEAS.

Proper

Proper ACCOUNTS and CERTIFICATES, ſigned by the Governor, or Commander in Chief, of the methods made uſe of in cultivating the Plants and ſecuring the Plantation, and that the Trees are in a growing and thriving ſtate at the time of ſigning ſuch Certificates, to be produced to the Society, with Samples of the Fruit, on or before the firſt Tueſday in January, 1800.

232. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be produced on or before the firſt Tueſday in January, 1801.

233. The ſame premium is extended one year further.

The ACCOUNTS and CERTIFICATES to be produced on or before the firſt Tueſday in January, 1802.

234. KALI FOR BARILLA. To the perſon who ſhall have cultivated, in the Bahama Iſlands, or any other part of his

Majeſty's dominions in the Weſt Indies, or any of the Britiſh Settlements on the Coaſt of Africa, or the ſeveral Iſlands adjacent thereto, in the year 1796, the greateſt quantity of land, not leſs than two acres, with Spaniſh Kali, fit for the purpoſe of making Barilla; the GOLD MEDAL, or THIRTY GUINEAS.

235. For the next greateſt quantity, not leſs than one acre, the SILVER MEDAL, or FIFTEEN GUINEAS.

CERTIFICATES, ſigned by the Governor, or Commander in Chief for the time being, of the quantity of land ſo cultivated, and of the ſtate of the Plants at the time of ſigning ſuch Certificates, to be delivered to the Society, with Samples of the Kali, on or before the ſecond Tueſday in November, 1799.

236, 237. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the ſecond Tueſday in November, 1800.

238,

238, 239. The ſame premiums are extended one year further.

CERTIFICATES to be produced on or before the ſecond Tueſday in November, 1801.

240. DESTROYING THE INSECT COMMONLY CALLED THE BORER. To the perſon who ſhall diſcover to the Society an effectual method of deſtroying the Inſect commonly called the BORER, which has of late years been ſo deſtructive to the Sugar-Canes in the Weſt-India Iſlands, or in any of the Britiſh Settlements on the Coaſt of Africa, or the ſeveral Iſlands adjacent thereto; the GOLD MEDAL, or FIFTY GUINEAS.

The Diſcovery to be aſcertained by ſatisfactory CERTIFICATES, under the hand and ſeal of the Governor or Commander in Chief for the time being, and of ſome other reſpectable perſons, inhabitants of the Iſlands, or other place, in which the remedy

has been ſucceſsfully applied; ſuch CERTIFICATES to be delivered to the Society on or before the firſt Tueſday in January, 1800.

241. The ſame premium is extended one year further.

CERTIFICATES to be delivered on or beſore the firſt Tueſday in January, 1801.

242. BOTANIC GARDEN IN THE BAHAMA ISLANDS. To the perſon who, before the firſt of January, 1799, ſhall have ſet apart, and, at his own private expence, ſhall have properly fenced and cultivated, the greateſt quantity of ground, not leſs than five acres, in any of the Bahama Iſlands, as a Botanic Garden, for the purpoſe of making experiments in the culture of thoſe articles which are the peculiar production of the tropical climates, and which may tend to promote the commerce and manufactures of this country; the GOLD MEDAL, or ONE HUNDRED GUINEAS.

It

It is required that any perſon claiming the foregoing premium ſhould produce to the Society, on or before the firſt Tueſday in January, 1800, a CERTIFICATE from the Governor or Commander in Chief of the Bahama Iſlands for the time being, of his having complied with the above requiſitions, and that the Garden is in a proper ſtate of culture at the time of ſigning ſuch Certificate.

Premiums

Premiums offered for the advantage of the Britiſh Settlements in the Eaſt Indies.

243. BHAUGULPORE COTTON. To the perſon who ſhall import into the port of London, in the year 1799, the greateſt quantity, not leſs than one ton, of the Bhaugulpore Cotton, from which clothes are made in imitation of Nankeen, without dying; the GOLD MEDAL.

A quantity of the Cotton, not leſs than five pounds weight in the pod, and five pounds carded, to be produced to the Society, with proper CERTIFICATES, ſigned by the Secretary to the Board of Trade of Bengal, on or before the laſt Tueſday in February, 1800.

244. The ſame premium is extended one year further.

The SAMPLES and CERTIFICATES to be produced to the Society on or before the laſt Tueſday in February, 1801.

245.

245. The ſame premium is extended one year further.

The SAMPLES and CERTIFICATES to be produced to the Society on or before the laſt Tueſday in February, 1802.

246. ANNATTO. To the perſon who, in the year 1799, ſhall import into the port of London, from any part of the Britiſh Settlements in the Eaſt Indies, the greateſt quantity of Annatto, not leſs than five hundred weight; the GOLD MEDAL.

A quantity of the Annatto, not leſs than ten pounds weight, to be produced to the Society, with proper CERTIFICATES, ſigned by the Secretary of the Board of Trade of the reſpective Settlement, that the Annatto is the produce of ſuch Settlement, on or before the laſt Tueſday in February, 1800.

247. The ſame premium is extended one year further.

The

The SAMPLES and CERTIFICATES to be produced to the Society on or before the laſt Tueſday in February, 1801.

248. The ſame premium is extended one year further.

The SAMPLES and CERTIFICATES to be produced to the Society on or before the laſt Tueſday in February, 1802.

249. TRUE COCHINEAL. To the perſon who, in the year 1799, ſhall import into the port of London, from any part of the Britiſh Settlements in the Eaſt Indies, the greateſt quantity of True Cochineal, not leſs than five hundred weight; the GOLD MEDAL.

A quantity of the Cochineal, not leſs than ten pounds weight, with proper CERTIFICATES, ſigned by the Secretary of the Board of Trade of the reſpective Settlement, that the Cochineal is the produce of ſuch Settlement,

ment, to be produced to the Society on or before the firſt Tueſday in February, 1800.

250. The ſame premium is extended one year further.

The SAMPLES and CERTIFICATES to be produced on or before the firſt Tueſday in February, 1801.

Society's Office, Adelphi, June 1, 1799.

Ordered,

THAT THE SEVERAL CANDIDATES AND CLAIMANTS TO WHOM THE SOCIETY SHALL ADJUDGE PREMIUMS OR BOUNTIES, DO ATTEND AT THE SOCIETY'S OFFICE IN THE ADELPHI, ON THE LAST TUESDAY IN MAY, 1800, AT TWELVE O'CLOCK AT NOON, TO RECEIVE THE SAME; THAT DAY BEING APPOINTED BY THE SOCIETY FOR THE DISTRIBUTION OF THEIR REWARDS: AND BEFORE THAT TIME NO PREMIUM OR BOUNTY WILL BE DELIVERED, EXCEPTING TO THOSE WHO ARE OUT OF THE KINGDOM, OR PREVENTED BY UNAVOIDABLE ACCIDENTS.

IN CASES WHERE THE SOCIETY MAY THINK FIT TO ADMIT EXCUSES FOR NOT ATTENDING IN PERSON, DEPUTIES MAY BE SUBSTITUTED TO RECEIVE THE REWARDS, PROVIDED SUCH DEPUTIES ARE EITHER MEMBERS OF THE SOCIETY, OR THE SUPERIOR OFFICERS THEREOF.

GENERAL

GENERAL CONDITIONS.

NOTWITHSTANDING the Society reſerve to themſelves the power of giving, in all caſes, ſuch part only of any Premium as the performance ſhall be adjudged to deſerve, or of withholding the whole, if there be no merit; yet the Candidates may be aſſured the Society will always judge liberally of their ſeveral Claims.

It is required that the matters for which Premiums are offered, be delivered in without names, or any intimation to whom they belong; that each particular thing be marked in what manner each Claimant thinks fit, ſuch Claimant ſending with it a paper ſealed up, having on the outſide a correſponding mark, and on the inſide the Claimant's name and addreſs: and all Candidates are to take notice, that no Claim for a Premium will be attended to, unleſs the conditions of the Advertiſement are fully complied with.

No

No Papers ſhall be opened, but ſuch as ſhall gain Premiums, unleſs where it appears to the Society abſolutely neceſſary for the determination of the Claim; all the reſt ſhall be returned unopened, with the Matters to which they belong, if enquired after by the Mark, within two years; after which time, if not demanded, they ſhall be publicly burnt, unopened, at ſome meeting of the Society.

All Models of Machines, which obtain Premiums or Bounties, ſhall be the property of the Society.

All the Premiums of this Society are deſigned for Great Britain, unleſs expreſsly mentioned to the contrary.

The Claims ſhall be determined as ſoon as poſſible after the delivery of the ſpecimens.

No perſon ſhall receive any Premium, Bounty, or Encouragement from the Society, for any matter for which he has obtained, or purpoſes to obtain, a patent.

A Candidate for a Premium, or a perſon applying for a bounty, being detected in any diſengenuous method to impoſe on the

the Society, ſhall forfeit ſuch Premium or Bounty, and be deemed incapable of obtaining any for the future.

The Performances which each year obtain Premiums or Bounties are to remain with the Society until after the public diſtribution of Rewards.

No member of this Society ſhall be a Candidate for, or entitled to receive, any Premium, Bounty, or Reward whatſoever, except the Honorary Medal of the Society.

Where Certificates are required to be produced in claim of Premiums, they ſhould be expreſſed, as nearly as poſſible, in the words of the reſpective advertiſements, and ſhould not be from the Candidate (ſolely), but from ſome other perſon or perſons who have a poſitive knowledge of the facts certified.

Where Premiums or Bounties are obtained in conſequence of ſpecimens produced, the Society mean to retain ſuch part of thoſe ſpecimens as they may judge ne-

ceſſary, making a reaſonable allowance for the ſame.

No Candidates ſhall be preſent at any meetings of the Society or Committees, or admitted at the Society's Rooms, after they have delivered in their Claims, until ſuch Claims are adjudged, unleſs ſummoned by the Committee.

N. B. Any information or advice that may forward the deſigns of this Society for the public good, will be received thankfully, and duly conſidered, if communicated by letter, addreſſed to the Society, and directed to Mr. MORE, the Secretary, at the Society's Office, in the Adelphi Buildings, London.

*** In caſe any perſon ſhould be inclined to leave a ſum of money to this Society, by will, the following form is offered for that purpoſe:

Item. I give and bequeath unto A. B. and C. D. the ſum of upon condition and the intent that they, or one of them, do pay the ſame to the Collector for the time being, of a Society in London, who now call themſelves the Society for the Encouragement of Arts, Manufactures, and Commerce; which ſaid ſum of I will and deſire may be paid out of my perſonal eſtate, and applied towards the carrying on the laudable deſigns of the Society.

By order of the Society,

SAMUEL MORE, Secretary.